

CLAIMS

I claim:

1. Filtering process for online content, characterized by the fact that it consists of:

implementing an equipment (110), external box or internal computer card, which is inserts itself between the computer (100) and a computer network (130) providing access to online content, said equipment receiving the content from the net;

a step of analysis (316, 318, 326) of said content;

a step of research of environment (316, 318, 326) of said content on said net;

step of analysis (316, 318, 326) of said environment;

a step of decision to filter (320, 328) depending on a set of rules for decision-making depending on the results of the analysis steps of said content and its environment and

a step of transmission (324) or not of said content to said computer, depending on the result of the step of decision to filter.

2. Process as per claim 1, characterized by the facts that, during the analysis step of said environment (316, 318, 326), the pages reached through the hypertext links of said content are processed.

3. Process as per either claim 1 or 2, characterized by the fact that at least one step of analysis (316, 318, 326) of said content includes a first step of rapid content screening (316, 318), the decision phase including a first step of determination of decision (320) depending on the result of said first rapid screening step, and in case of non-determination of the result of said first step of determination of decision-making, the step of analysis includes a second step of screening content (326) of greater length than the first rapid screening step, with the step of decision then including a

second step of determination of decision (328) depending on the result of the second screening step.

4. Process as per claim 3, characterized by the fact that the first step of rapid content screening (316, 318) processes a content containing no images and that the second step of content screening (326) includes a step of image processing.

5. Process as per any of claims 1 to 4, characterized by the fact that at least one step of analysis (326) includes a step of image processing during which, for at least one image, the texture of the image content is analyzed in order to extract the parts of the image where texture matches that of human flesh.

6. Process as per claim 5, characterized by the fact that the image processing step includes a step of analysis of the person or persons whose bodies are partly exposed.

7. Process as per any of claims 1 to 6, characterized by the fact that at least one step of analysis (326) includes a step of extraction of characters from images incorporated in the online content.

8. Process as per any of claims 1 to 7, characterized by the fact that it includes a step of user identification (308, 310) and a step of deactivation (312) of filtering and authorization for access to all content accessible on the computer network depending on the result of said identification.

9. Process as per any of claims 1 to 8, characterized by the fact that it includes a step of transmission (310) to a remote computer system (140) linked to said computer network (130), of a set of information including a command, a user identifier and an equipment identifier and a step of verification by the remote computer system of the rights associated with said identifiers and a step of command to the equipment (310, 312) from the remote computer system to deactivate the filtering and to authorize access to all content accessible on the computer network.

10. Process as per either of claims 8 or 9, characterized by the fact that it includes, when the equipment (110) is deactivated, a step of activation (300) of the equipment at the next startup of the computer or at the next opening of a session with said computer.

11. Equipment (110), external box or a card inside the computer (100) for filtering online content, which inserts itself between the computer and a computer network (130) giving access to online content, said equipment receiving the content coming from the network, characterized by the fact that it includes:

a means for analyzing (112, 113) said content;

a means for researching (112, 113) of the environment of said content on said network;

a means for analyzing (112, 113) said environment;

a means for decision to filter (112, 113) depending on a set of rules for decision-making, depending on the results of the steps of analysis of said content and its environment; and

a means for transmitting (114) or not said content to said computer, depending on the result of the step of decision to filter.

12. Equipment as per claim 11, characterized by the fact that the means for analyzing (112, 113) of said environment processes the pages that are reached through the hypertext links of said content.

13. Equipment as per either claim 11 or 12, characterized by the fact that at least one means for analyzing said content (112, 113) has been adapted to perform a first rapid content screening, the means for decision being adapted to perform a first determination of decision depending on the result of said first rapid screening and, in case of non-determination of the result of said first step of determination of a decision, the means for analyzing has been adapted to perform a second content

screening of longer duration than the first rapid screening, the means of decision-making then performing a second determination of decision depending on the result of the second screening.

14. Equipment as per claim 13, characterized by the fact that first rapid content screening processes a content that does not contain any images and that the second content screening does include image processing.

15. Equipment as per any of claims 11 to 14, characterized by the fact that at least one means for analyzing (112, 113) includes a means for image processing that has been adapted, for at least one image, to analyze the texture of the content of the image in order to extract those portions of the image where the texture matches that of human flesh.

16. Equipment as per claim 15, characterized by the fact that the image processing includes an analysis of the posture of the person or persons whose parts of their bodies are visible.

17. Equipment as per any of claims 11 to 16, characterized by the fact that at least one means for analyzing (112, 113) has been adapted for extracting characters from images incorporated into the online content.

18. Equipment as per any of claims 11 to 17, characterized by the fact that it includes a means for identification of the user by hardware key (116), the means for decision-making (112, 113) being adapted, depending on the result of the identification, to deactivate the filtering and to authorize access to all content accessible on the computer network.

19. Equipment as per any of claims 11 to 18, characterized by the fact that it includes a means for transmitting (115) to a remote computer system (140) connected to said computer network (130), a set of information including a command, a user identifier and an equipment identifier and a means for receiving, from the remote computer system, a command to the equipment to deactivate the

filtering and to grant access to all content accessible on the computer network.

20. Equipment (110) as per either of claims 18 or 19, characterized by the fact that it includes a means of activation (112, 113) that is capable, when the equipment has been deactivated, to activate the equipment at the next startup of the computer or at the next opening of a session with said computer.